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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(S1) International Patent Classification ⁶ : C22C 21/02, 21/04	A1	(11) International Publication Number: WO 98/38347 (43) International Publication Date: 3 September 1998 (03.09.98)
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(21) International Application Number: PCT/AU98/00115 (22) International Filing Date: 24 February 1998 (24.02.98) (30) Priority Data: PO 5268 24 February 1997 (24.02.97) AU	(81) Designated States: AU, JP, KR, NZ, US. Published <i>With international search report.</i>
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(54) Title: FOUNDRY ALLOY

(57) Abstract

An aluminium-based alloy having 6.5 – 7.5 wt.% silicon and 0.35 – 0.50 wt.% magnesium as the major alloying elements and a method of manufacturing an article from the alloy are disclosed. The alloy is characterised by a microstructure in which β phase (Al_5SiFe) that forms during heat treatment as a transformation product of π phase ($Al_8Si_6Mg_3Fe$) is the sole or predominant iron-containing phase in the alloy.